of Beirut.

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

SEPTEMBER 1957

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JAN 9 - 1958
WEATHER BUREAU

SEPTEMBER 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.7	58.1	58.2	58.3	31.8	24.2	28.3	29.8	27.0	28.4
2	58.5	57.7	58.1	58.1	31.6	24.6	28.5	30.9	26.8	28.7
3	58.1	57.7	58.5	58.1	31.4	24.5	29.0	30.4	26.7	28.7
4	58.7	58.7	59.5	59.0	31.5	25.2	28.8	29.5	26.2	28.2
5	59.8	59.8	60.3	60.0	31.8	23.8	28.4	30.9	26.2	28.5
6	59.5	58.7	5.85	58.9	31.5	25.0	29.8	30.9	26.3	29.0
7	57.7	57.3	58.4	57.9	33.6	26.2	30.4	31.6	27.3	29.8
8	59.7	59.6	60.7	60.0	32.0	26.0	29.8	31.4	27.0	29.4
9	61.7	61.5	61.0	61.4	31.3	25.8	28.8	30.7	26.9	28.8
10	60.9	60.5	59.6	60.3	31.0	26.0	28.2	30.7	27.1	28.7
11	59.3	58.8	57.9	58.7	30.3	24.1	28.0	26.3	25.1	26.5
12	60.5	60.3	60.8	60.5	31.1	23.6	27.7	30.7	26.3	28.2
13	62.5	61.8	61.5	61.9	30.4	23.4	26.2	29.5	25.6	27.1
14	61.1	59.8	59.7	60.2	31.0	23.6	27.3	30.7	26.4	28.2
15	59.6	58.2	58.0	58.6	30.0	23.7	27.0	29.2	25.5	27.2
16	58.5	57.6	57.5	57.9	30.2	23.4	27.7	28.8	25.2	27.2
17	58.6	58.1	58.4	58.4	31.5	23.4	27.4	31.1	25.7	28.1
18	58.7	58.1	58.6	58.5	31.4	23.7	26.6	30.8	25.6	27.7
19	58.8	58.5	58.6	58.6	29.8	22.7	27.2	28.7	25.3	27.1
20	59.1	58.8	59.1	59.0	30.1	23.1	26.1	29.8	24.2	26.7
21	59.4	59.1	59.7	59.4	30.1	22.6	26.2	29.7	24.8	26.9
22	60.9	59.7	60.6	60.4	30.6	23.0	27.2	30.0	26.0	27.7
23	61.3	60.5	60.8	60.9	29.7	22.4	25.8	28.6	24.4	26.3
24	61.2	60.8	61.6	61.2	30.0	23.5	26.4	29.8	25.5	27.2
25	61.5	60.9	61.0	61.1	30.7	23.6	27.0	30.0	25.8	27.6
26	60.5	60.0	60.0	60.2	30.0	23.4	27.1	29.7	25.6	27.5
27	61.2	60.6	60.7	60.8	29.8	23 6	26.4	29.4	25.1	27.0
28	59.3	58.7	59.0	59.0	29.7	22.8	25.7	29.0	25.1	26.6
29	59.4	59.0	59.6	59.3	29.7	22.8	26.4	28.4	25.2	26.7
30	60.7	60.2	61.1	60.7	29.7	21.7	26.3	29.1	21.8	25.7
31										
	59.85	59.30	59.57	59.58	30.78	23.85	27.52	29.87	25.72	27.71

Barometer, range for month 762.5 mm. — 757.3 mm.
„ 71-yr. average for month 758.74 mm.
Thermometer, range for month 33.6°C — 21.7°C
„ 71-yr. average for month 27.21°C
Rain total for month 3.75 mm.
„ 71-yr average for month 6.19 mm.
„ Total, Sept. 1st. to end of month 3.75 mm.
„ 71-yr average. Sept. 1st. to end of month 6.19 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	24.0	24.8	24.2	24.3	62	58	66	62	7.5	246	
2	21.2	23.9	21.9	22.3	55	53	62	57	10.4	306	
3	21.5	24.3	21.9	22.6	55	56	62	58	9.0	295	
4	18.2	23.1	22.4	21.2	45	57	66	56	9.7	216	
5	24.0	25.3	23.7	24.3	62	56	70	63	9 6	217	
6	24.8	26.1	24.4	25.1	59	58	72	63	10.4	332	
7	25.0	28.6	29.9	27.8	56	61	82	66	10.0	296	
8	30.0	29 9	29.2	29.7	71	66	79	72	8.6	222	
9	28.6	28.0	28.4	28.3	73	64	79	72	8.0	270	
10	28.3	28.0	29.2	28.5	73	64	79	72	8.0	257	
11	23.0	23.7	23.9	23.5	61	69	76	69	3.6	246	0.25
12	22.4	21.5	21.7	21.9	58	49	65	57	9.5	216	
13	21.7	23.1	23.5	22.8	64	55	72	64	9.0	188	
14	22.1	22.9	25.7	23 6	60	53	76	63	9.6	127	
15	24.2	23.5	24.8	24.2	67	59	76	67	8.6	151	
16	25.8	27.8	26.0	26.5	68	70	82	73	8.9	140	
17	25.6	28.3	26.2	26.7	70	63	80	71	9.4	217	
18	25.3	27.2	26.2	26.2	73	63	80	72	9.5	180	
19	24.9	24.2	22.6	23.9	69	61	72	67	9.3	241	
20	21.1	21.3	20.3	20.9	62	50	69	60	9.4	192	
21	19.1	21.0	21.9	20.7	56	52	69	59	9.7	237	
22	20.2	22.6	22.4	21.7	54	53	66	58	9.2	159	
23	22.1	22.6	22.4	22 4	68	58	73	66	9.1	177	
24	23.7	25.5	22.8	24.0	69	60	70	66	9.4	187	
25	25.6	25.5	23.5	24.9	70	60	71	67	9.3	248	
26	23.5	19.7	22.1	21.8	65	48	68	61	8.4	348	
27	21.7	23.8	21.9	22.5	64	57	70	64	6.5	274	
28	22.1	22.2	20.7	21.7	66	55	66	62	7.6	362	
29	20.4	23.3	22 6	22.1	60	60	71	64	7.7	301	0.50
30	23.0	23.5	22.7	23.1	66	59	88	71	8.6	354	3.00
31											
	23.44	24.51	23.97	23.97	63.4	58.2	72.6	64.7	8.66	240.07	0.12

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4st-ci	9st-ci	9st-ci	7.3	2w	2w	2w	light	
2	3st-ci	4st-ci	6st-ci	4.3	2sw	3w	2sw	,,	
3	3st-ci	6st-ci	7st-ci	5.3	2w	3nw	2s	,,	
4	1st	7st-ci	4st	4.0	3sw	3w	1sw	,,	
5	2st	2st	1st	1.7	2w	2n	2ne	,,	
6	0	0	0	0.0	3ne	2ne	3ne	light	D.p.m
7	0	0	0	0.0	2ne	3ne	2ne	,,	D.p.m
8	8cu-st	0	4st	4.0	2n	3n	2n	,,	
9	10st	0	10st	6.7	2n	3n	2n	,,	
10	7cu-st	6cu-st	10st	7.7	3ne	2nw	2ne	,,	
11	2st	10st	10st	7.3	3sw	3w	2w	light	
12	5cu-st	0	7st	4.0	3w	2w	2w	,,	
13	4cu-st	3cu-st	0	2.3	2sw	2nw	2s	,,	
14	0	0	0	0.0	2sw	2nw	2sw	,,	
15	8cu-st	0	0	2.7	2sw	2n	1n	,,	
16	0	0	0	0.0	3ne	2ne	2ne	light	
17	0	5cu-st	0	1.7	3sw	3w	1w	,,	
18	2cu-st	0	0	0.7	2sw	2w	2w	,,	
19	1cu	5cu-st	10st	5.3	3w	3w	2w	,,	
20	4cu-st	2st	0	2.0	2sw	2nw	2nw	,,	
21	1cu-st	0	0	0.3	2sw	3w	2w	light	
22	0	0	10st	3.3	2w	3sw	2sw	,,	
23	5cu-st	0	0	1.7	1sw	2ne	2ne	,,	
24	0	0	0	0.0	2sw	2sw	1sw	,,	
25	1cu	0	6st	2.3	2sw	3sw	2sw	,,	
26	9cu-st	3cu-st	4cu-st	5.3	3sw	3sw	2sw	light	
27	10st	7cu-st	8st	8.3	3sw	3sw	2sw	,,	Tr.p.m
28	9st	5cu-st	9st	7.7	2sw	3sw	2sw	,,	Tr.a.m
29	9cu-st	7cu-st	8st	8.0	3sw	3sw	2w	,,	
30	0	6cu-st	8st	4.7	2sw	2w	3se	,,	T.p m
31									
	mean			3.62					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	4	0	0	0	18	6	0	0	30
14:30	4	4	0	0	0	7	10	5	0	30
20:30	3	6	0	1	2	9	8	1	0	30
Total	9	14	0	1	2	34	24	6	0	90

Number of days with rain 3, fog 0, thunderstorms 1, gale. 0
71 yr. av. number of days with rain during month 1.13
Time of reading minus 2 hours equals G.C.T